

How to Configure Mail Gateway Reporting

<https://campus.barracuda.com/doc/73719383/>

For the Mail Gateway service, you can configure the access cache, event notifications, and statistics.

Configure Mail Gateway Reporting

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Mail-Gateway > Mail Gateway Settings**.
2. In the left menu, select **Reporting**.
3. Click **Lock**.
4. In the **Entries in Access Cache** section, you can set the following limits on the number of access cache entries:
 - **Delivered Entries** – The maximum number of entries for successfully delivered emails.
 - **Undelivered Entries** – The maximum number of entries for unsuccessfully delivered emails.

For every mail job that is processed by the mail gateway, a history entry is stored in a file. This history file is visualized in the Access Cache. The Access Cache reflects a First In First Out (FIFO) list. If the number of entries in the Access Cache exceeds the specified limit, the oldest entry is deleted according to its reception time.

5. In the **Event Settings** section, specify the event notifications that should be generated. For more information on the settings that you can configure in this section and the events that are generated when you enable each setting, expand the following **Settings Overview** section:

Settings Overview

Setting	Description	Event Generated
Admin Reception Commands	To send an event notification when an email is blocked or allowed manually through the Allow/Block Mail Reception admin commands, select yes.	Mail Operation Changed: [user@peer] [4504]
Admin Discard Mail Cmd	To send an event notification when an email is discarded with an admin command, select yes. Administrators with special admin permissions are allowed to discard mails in the mail queue.	Mail Data Discarded: ID [spool-ID Nr.] [4500]
Mail Denied	To send an event notification when incoming mail is denied according to spam filtering configurations, select yes.	Mail Relaying Denied: Deny [Rule] [4508]
Recipient Dropped	To send an event notification when an email delivery to a blacklisted recipient is refused, select yes. Some email client applications disconnect after a recipient has been dropped. As a result, the email might not be delivered to any of its addressees.	Mail Delivery Refused: Drop recipient <[email address of dropped recipient]> [4506]

Parallel Connection Limit	To send an event notification when the number of parallel connections to the mail gateway reaches a critical value or exceeds the mail gateway limit , select yes.	Resource Limit Pending/ Resource Limit Exceeded: Max connections (per Peer) [135/136]
Spooling Limit	To set a limit on the number of incoming mail jobs that can be queued, select yes. In the Number of Queued Mails field, enter the maximum number of emails that can be queued.	Resource Limit Pending/ Resource Limit Exceeded: Spool Limit Exceeded [135/136]
Number of Queued Mails	The maximum number of emails that can be queued. If the spool queue length reaches a critical value or exceeds the maximum limit, an event notification is generated.	
Mail Data Size Limit	To send an event notification when the size of an email exceeds the mail gateway limit , select yes.	Mail Size Limit Exceeded [140]
User Defined Rule Event	To send event notifications for custom rule events , select yes. If no custom rule events have been defined, this setting is ignored.	<ul style="list-style-type: none"> ◦ Mail Rule Notice [4512] ◦ Mail Rule Warning [4513] ◦ Mail Rule Alert [4514]
Bad Rulefile Loaded	To send an event notification when the rule file for the Local Domain Settings , Global Domain Parameters , and Extended Domain Setup is missing or corrupted, select yes. Mail cannot be received when this rule file is missing or corrupted.	Flawed Configuration Data Activation [2380]
Kill Worker Process	To send an event notification when a worker process is killed, select yes. The mail data receiving process, or worker, starts when a connection to the mail gateway is established. Worker processes can be killed with the "Kill Process" admin command. For example, when the transmission of an email with a large attachment must be stopped. Killing a SMTP worker process causes data loss. Minimum configuration: To start the Mail Gateway service on your Barracuda CloudGen Firewall, you must specify at least an internal and external bind IP address (both IP addresses are to be configured as server IP addresses), and a postmaster address.	Subprocess Kill Requested: Kill PROC_SMTP Worker [2054]

For more information on event notifications, see [Logs, Statistics, Events](#).

6. In the **Statistic Settings** section, specify the types of statistics data that should be generated.

For more information on the different types of statistics, see [Statistics](#).

7. Click **Send Changes** and **Activate**.

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